

CLAIMS

What is claimed and desired to be covered by Letters
Patent is:

1. A support device for use in hanging ductwork
comprising:
 - a) a body unit adapted to support ductwork thereon
while that ductwork is being mounted in a
building, said body unit including
 - (1) a tubular section having a first end, a second
end, a longitudinal axis extending between
the first end of the tubular section and the
second end of the tubular section, a bore
extending between the first end of the
tubular section and the second end of the
tubular section, a plurality of snap locking
elements on the tubular section, and an inner
dimension measured across the bore,
 - (2) a first end section having a first end, a
second end, a longitudinal axis extending
between the first end of the first end
section and the second end of the first end
section, the longitudinal axis of the first
end section being aligned with the

longitudinal axis of the tubular section when the first end section is in place coupled to the first end of the tubular section, the first end section having an outer dimension which is smaller than the inner dimension of the tubular section and being telescopingly accommodated in the tubular section adjacent to the first end of the tubular section, the first end section further having a pivot joint on the first end of the first end section, and

- (3) a second end section having a first end, a second end, a longitudinal axis extending between the first end of the second end section and the second end of the second end section, the longitudinal axis of the second end section being aligned with the longitudinal axis of the tubular section when the second end section is in place coupled to the second end of the tubular section, the second end section having an outer dimension which is smaller than the inner dimension of the tubular section and being telescopingly accommodated in the tubular section adjacent

to the second end of the tubular section, the second end section further having a pivot joint on the first end of the second end section;

- b) a first leg section having a first end, a second end, a longitudinal axis extending between the first end of the first leg section and the second end of the first leg section, the second end of the first leg section being pivotally connected to the pivot joint on the first end of the first end section, said first leg section further including an eyelet element on the second end of the first leg section, the eyelet element on the first leg section being adapted to be attached to a building element to support said first leg section in place on the building element, said first leg section further including at least one snap lock element and at least one hanger element mounted thereon, said first leg section being movable between a first position having the longitudinal axis of said first leg section oriented perpendicular to the longitudinal axis of the first end section and a second position having the longitudinal axis of said first leg section oriented at an oblique

angle to the longitudinal axis of the first end section; and

- c) a second leg section having a first end, a second end, a longitudinal axis extending between the first end of the second leg section and the second end of the second leg section, the second end of the second leg section being pivotally connected to the pivot joint on the first end of the second end section, said second leg section further including an eyelet element on the second end of the second leg section, the eyelet element on the second leg section being adapted to be attached to a building element to support said second leg section in place on the building element, said second leg section further including at least one snap lock element and at least one hanger element mounted thereon, said second leg section being movable between a first position having the longitudinal axis of said second leg section oriented perpendicular to the longitudinal axis of the second end section and a second position having the longitudinal axis of said second leg section oriented at an oblique angle to the longitudinal axis of the second end section; and

- d) a ducthanger clamp which includes
- (1) a first handle section having a handgrip end, a floor joist-engaging end, and a pivot section between the handgrip end and the floor joist-engaging end, knurling on the floor joist engaging end, and a pivot pin-accommodating hole defined through the pivot section,
 - (2) a second handle section having a handgrip end, a floor joist-engaging end, and a pivot section between the handgrip end of the second handle section and the floor joist-engaging end of the second handle section, knurling on the floor joist-engaging end of the second handle section, and a pivot pin-accommodating hole defined through the pivot section of the second handle section,
 - (3) a pivot pin extending through the pivot pin-accommodating hole on the first handle section and through the pivot pin-accommodating hole on the second handle section,
 - (4) a spring mounted on the pivot pin and having a first end engaging the first handle section

and a second end engaging the second handle section, and

- (5) an eyelet element-engaging element on the second handle section near the pivot section of the second handle section
- (6) the knurling on the first handle section and the knurling on the second handle section being adapted to engage a floor joist and support an associated leg section on the floor joist via the eyelet element on the associated leg section.

2. A support device for use in hanging ductwork comprising:

- a) a body unit adapted to support ductwork thereon while that ductwork is being mounted in a building, said body unit including
 - (1) a central section,
 - (2) a first end section telescopingly attached to the central section, and
 - (3) a second end section telescopingly attached to the central section;
- b) a first leg section pivotally attached to the first end section;

- c) a second leg section pivotally attached to the second end section;
- d) a first attachment element on the first leg section, said first attachment element being adapted to mount on a building structural element adjacent to a position whereat ductwork will be mounted; and
- e) a second attachment element on the first leg section, said second attachment element being adapted to mount on a building structural element adjacent to a position whereat ductwork will be mounted; and
- f) a ducthanger clamp having an attachment element-engaging element and knurling, with the knurling being adapted to engage a floor joist to support an associated leg on the floor joist.